

What is claimed is:

1. A method of transmitting data frames over a data network, comprising sending said data frames from a transmitter to a receiver with an Inter Frame Space (IFS) time, wherein said IFS does not include a time (T2) that said transmitter needs to change from a receiver state to a transmitter state.
- 5 2. The method of claim 1, wherein said IFS only includes a time (T1) needed for said transmitter to detect ending of a frame and beginning of a next frame.
3. The method of claim 2, wherein said transmitter is a non-QSTA (non QoS Enhanced Station) or a QAP (QoS Enhanced Access Point).
- 10 4. The method of claim 1, wherein said transmitter is not required to receive an ACK from said receiver before said transmitter sends out a next data frame.
5. The method of claim 1, wherein said transmitter only receives a block ACK which acknowledges plural of said data frames.
- 15 6. The method of claim 1, wherein said data network is a wireless data network using IEEE 802.11 protocol.
7. The method of claim 6, wherein said IEEE 802.11 is amended by IEEE 802.11e draft standard.
- 20 8. A method for a transmitter to send data frames to a receiver over a data network, wherein said transmitter sends said data frames with a time space (IFS) between transmission of two sequential data frames, wherein said time space (IFS) only comprises a time (T1) for said transmitter to process each of said data frames.
9. The method of claim 8, wherein said processing comprising detecting an end of a data frame and a start of a next data frame.

10. The method of claim 8, wherein said time space does not include a time (T2) that said transmitter needs change from a receiver state to a transmitter state.
11. The method of claim 8, wherein said transmitter is a non-QSTA (non QoS Enhanced Station) or a QAP (QoS Enhanced Access Point).
- 5 12. The method of claim 8, wherein said transmitter is not required to receive an ACK from said receiver before said transmitter sends out a next data frame.
13. The method of claim 8, wherein said transmitter only receives a block ACK which acknowledges plural of said data frames.
14. The method of claim 8, wherein said data network is a wireless data network using
10 IEEE 802.11 protocol.
15. The method of claim 14, wherein said IEEE 802.11 is amended by IEEE 802.11e draft standard.